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<p>(21) International Application Number: PCT/US99/27318</p> <p>(22) International Filing Date: 17 November 1999 (17.11.99)</p> <p>(30) Priority Data:            09/193,801 17 November 1998 (17.11.98) US            09/193,600 17 November 1998 (17.11.98) US            09/369,955 6 August 1999 (06.08.99) US         </p> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application            US 09/369,955 (CIP)            Filed on 6 August 1999 (06.08.99)</p> <p>(71) Applicant (for all designated States except US): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607-5200 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): <input checked="" type="checkbox"/> PHILLIPS, Donald, A. [US/US]; 1120 Cornell Drive, Davis, CA 95616 (US).  <input checked="" type="checkbox"/> JOSEPH, Cecilia, M. [US/US]; 1408 Locust Place, Davis, CA 95616 (US).  <input checked="" type="checkbox"/> SANBORN, James, R. [US/US]; 46 Yuba River Circle, Sacramento, CA 95831 (US).  <input checked="" type="checkbox"/> YANG,</p>			
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<p>(54) Title: NOVEL ENHancers OF PLANT GROWTH</p> <p>(57) Abstract</p> <p>The present invention provides novel enhancers of photosynthesis and plant growth and methods of using same. In one embodiment, the enhancer is derived from a microorganism. In alternative embodiments, the compounds are microbial extracts, microbial secretion products, and microbially generated natural products. The invention also provides a method for increasing net photosynthesis in a plant by applying an agent comprising triacetylphloroglucinol, diacetylphloroglucinol or monoacetylphloroglucinol to the plant in an amount effective in increasing net photosynthesis in the plant. The invention further provides novel bacterial genes and recombinant microorganisms comprising these genes which are used to practice the methods of the invention.</p>			